



10

SEQUENCE LISTING

<110> Pang, Phillip S.
Jankowsky, Eckhard
Pyle, Anna Marie

<120> A COMPUTATIONAL METHOD FOR PREDICTING
INTRAMOLECULAR AND INTERMOLECULAR BIOPOLYMER INTERACTIONS

<130> A33723 070050.1407

<140> US 09/911821

<141> 2001-07-24

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<213> Saccharomyces cerevisiae

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<223> Sequence corresponding to domain 5 of ai5gamma.

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<210> 16
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<210> 20
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<210> 21
<211> 35
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<210> 23
<211> 35
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<210> 24

<211> 35

<212> DNA

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<211> 35

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<213> Unknown

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<211> 35

<212> DNA

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<211> 35

<212> DNA

<213> Unknown

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<210> 28

<211> 35

<212> DNA

<213> Unknown

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<210> 30
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<211> 36
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<210> 41
<211> 35
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<210> 43
<211> 35
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<210> 44
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<210> 46
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<210> 47
<211> 36
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<210> 48
<211> 36
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<210> 49

<211> 36

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<211> 35

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<210> 51

<211> 35

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 52

<211> 35

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 53

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 53

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<210> 54

<211> 35

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<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 55

<211> 35

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<210> 56

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 56

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<210> 57

<211> 35

<212> DNA

<213> Unknown

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<400> 57

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<210> 58

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 58

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<210> 59

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 59

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<210> 60

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 61

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 62

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 63

<211> 35

<212> DNA
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 <210> 64
 <211> 34
 <212> DNA
 <213> Unknown

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 <210> 65
 <211> 31
 <212> DNA
 <213> Unknown

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 parameters set forth in Figure 1 and the specification.

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 <210> 66
 <211> 35
 <212> DNA
 <213> Unknown

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 <210> 67
 <211> 35
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 <210> 68

<211> 35
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<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 69
<211> 35
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<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 69
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<210> 70
<211> 35
<212> DNA
<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 70
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<210> 71
<211> 36
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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 71
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<210> 72
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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 72
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<210> 73
<211> 35
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<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 74
<211> 34
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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

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<210> 75
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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 75
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<210> 76
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<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 76
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<210> 77
<211> 35
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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 77
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<210> 78
<211> 35
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<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 78
gagccgcatg atgaaaaatt ctcatgtccg gttcc 35

<210> 79
<211> 35
<212> DNA
<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 79
gagccgcatg atattaaatt atcatgtccg attct 35

<210> 80
<211> 35
<212> DNA
<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 80
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<210> 81
<211> 36
<212> DNA
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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 81
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<210> 82
<211> 37
<212> DNA
<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 82

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37

<210> 83

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 83

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<210> 84

<211> 35

<212> DNA

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 84

gagctggatg agaagaaact ctcatgtcca gtttt

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<210> 85

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 85

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<210> 86

<211> 34

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 86

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<210> 87

<211> 35

<212> DNA

<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 87
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<210> 88
<211> 35
<212> DNA
<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 88
gagccgtatg aaatgaaaat ttcacgtacg gtttt

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<210> 89
<211> 35
<212> DNA
<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 89
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<210> 90
<211> 35
<212> DNA
<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 90
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<210> 91
<211> 35
<212> DNA
<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 91
gagccgtatg atgggcaact atctcctgacg gttcg

35

<210> 92
<211> 35
<212> DNA
<213> Unknown

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<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 92
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 <210> 93
 <211> 35
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 <223> Sequence identified through homology search using domain 5 of ai5gamma and
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 <400> 93
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 <210> 94
 <211> 35
 <212> DNA
 <213> Unknown

 <220>
 <223> Sequence identified through homology search using domain 5 of ai5gamma and
 parameters set forth in Figure 1 and the specification.

 <400> 94
 gagccgaatg aaaccaaagt ttcacgttcg gtttt 35

 <210> 95
 <211> 35
 <212> DNA
 <213> Unknown

 <220>
 <223> Sequence identified through homology search using domain 5 of ai5gamma and
 parameters set forth in Figure 1 and the specification.

 <400> 95
 gagccgaatg aaatcaaaat ttcacgttcg gtttt 35

 <210> 96
 <211> 35
 <212> DNA
 <213> Unknown

 <220>
 <223> Sequence identified through homology search using domain 5 of ai5gamma and
 parameters set forth in Figure 1 and the specification.

 <400> 96
 gagccgaatg aaagaaaact ttcacgttcg gtttt 35

 <210> 97
 <211> 37
 <212> DNA
 <213> Unknown

 <220>
 <223> Sequence identified through homology search using domain 5 of ai5gamma and

parameters set forth in Figure 1 and the specification.

<400> 97
gagccggtatg agggagaaaat ttctcacgtc cggatct 37

<210> 98
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 98
gagccgtatg aggtgaaaat ctcatgtacg gttct 35

<210> 99
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 99
aagccgtatg aaatgaaaat atcaagtacg gtttt 35

<210> 100
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 100
gagccgtatg aggtgaaaat ctcatgtacg gttct 35

<210> 101
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 101
gagccgtatg cgatgaaagt tgcacgtacg gttct 35

<210> 102
<211> 35
<212> DNA
<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 102
gagccgtatg cgatgaaagt cgcacgtacg gttct 35

<210> 103
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 103
gagccgtatg cgatgaaagt tgcacgtacg gttct 35

<210> 104
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 104
gagctgtatg cgatgaaagt cgcacgtaca gttct 35

<210> 105
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 105
gagccgtatg ccatgaaagt ggcacgtacg gttct 35

<210> 106
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 106
cagccgtgtg cggtgaaagt cgcacgcacg gttgt 35

<210> 107
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 107
gagccgtgtg cgatgaaagt cgcaagcacg gttct 35

<210> 108
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 108
gagccgtgtg cggtgaaaga tgcacgcacg gttct 35

<210> 109
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 109
gagccgtatg aatggagaca ttcacgtacg gtttt 35

<210> 110
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 110
gagccgtgtg cggtgaaagt cgcatgcacg gttct 35

<210> 111
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 111
gagccgtatg cgggaaaact cgcacgtacg gttct 35

<210> 112
<211> 35
<212> DNA
<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 112

gagccgtatg cggggaaact cgcacgtacg gttct 35

<210> 113

<211> 34

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 113

gagccgtatg tgctgaaagg tacaagtacg gttc 34

<210> 114

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 114

gagccgtatg ccgggaaact ggcacgtacg gttct 35

<210> 115

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 115

gagccggatg aggggacgact ctcatgtccg gttct 35

<210> 116

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 116

gagcggatg agccgagagg ttcacgtacc gttct 35

<210> 117

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 117

gagcgggtgtg aatcgagagg ttcacgcacc gttct 35

<210> 118

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 118

gagccgtgtg cagcgaaagt tgcacgcacg gatct 35

<210> 119

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 119

gagccgtatg aggtgaaagt ctcaagtacg gtttt 35

<210> 120

<211> 35

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 120

gagccgtata ctccgagagg ggtacgtacg gttcc 35

<210> 121

<211> 31

<212> DNA

<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 121

ccgccgtgta cggaaccgta cgcacgggtgg t 31

<210> 122

<211> 35

<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 122
acgccgtgtg aggggaaact ctcatgcacg gtgtg 35

<210> 123
<211> 34
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 123
acgccgtatg ctggaaactc gcctgtacgg tgtg 34

<210> 124
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 124
aagccgtatg aggggaaact ttcacgtacg gtttg 35

<210> 125
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 125
gagccgtatg atgggaaact atcacgtacg gttct 35

<210> 126
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 126
gagcccgggtg cggtgaaagt cgcacgccgg gttcg 35

<210> 127

<211> 35
<212> DNA
<213> Unknown

<220>

<223> Sequence identified through homology search using domain 5 of ai5gamma and parameters set forth in Figure 1 and the specification.

<400> 127
gagccgatg cgctgaaagg tgcacgtccg gttcg 35

<210> 128
<211> 34
<212> RNA
<213> *Saccharomyces cerevisiae*

<220>

<223> Sequence corresponding to structure of Group II catalytic RNA of ai53.

<400> 128
gagccguaug cgaugaaagu cgcacguacg guuc 34